

# Public Health Task Force Hearing

## Panel 4: Clinical Workflow

**Vijay Shah  
Director, Health IT Solutions  
JBS International, Inc.**



# Public Health Reporting – Challenges

- Public Health Agencies/Registries:
  - Manual, iterative, and cumbersome process for collecting event data
  - Need to extract structured data from EHR system
  - Need to support and validate multiple message formats
  - Need to receive readily analyzable data
  - Need more control and agility to create new forms
  - Incident report data in multiple formats and not structured
  - Need to find easier ways to integrate with EHR/EMR systems
- HIT Vendors/Providers:
  - Burden of multiple reporting requirements
  - Different data formats, data standards, and destinations
  - Cost of implementing disease specific reporting

Need for a health IT standard that can address these challenges

# Structured Data Capture (SDC)

- ONC's SDC Initiative
  - Extends EHR capabilities in using available data and interoperability standards to facilitate reporting
  - The SDC standards and guidelines are explained in two published Implementation Guides – IHE SDC Profile and FHIR SDC Profile
  - Defines a structured form definition model
  - Supports both SOAP and RESTful transactions
- SDC Value Proposition
  - Allows public health agencies to define forms for data collection
  - Significantly reduces time required for public health reporting
  - Minimizes data capture and reporting errors
  - Ensures that the public health agency receives high quality data that can be immediately analyzed
  - Promotes use of common data elements (CDEs) and re-use of forms

Need for a health IT solution that utilizes SDC

# Proposed Solution - InteropX Approach

- InteropX – Healthcare Interoperability Solution
  - A standards-based healthcare interoperability solution
  - Facilitates public health agencies with quick and easy way to design and distribute new/updated forms e.g. Zika Evaluation
  - Provides direct integration with EHR systems to capture the public health event data
  - Enhances EHRs reporting capabilities for various public health reportable events as they are observed
  - Reduces Provider work burden by prepopulating structured data from EHR to minimize data capture errors and streamline reporting
  - The underlying design pattern is extensible and can be used to satisfy any number of public health reporting requirements
  - Capture once, report multiple ways
  - Software as a Service (SaaS) option

Proven demonstrations at HIMSS 2016 & Public Health Informatics Conference 2016

*Value of solution*

# Thank You

Vijay Shah

Director, Health IT Solutions,  
JBS International, Inc.

Email: [vshah@jbsinternational.com](mailto:vshah@jbsinternational.com)

Phone: 703-599-5440

Web: [www.jbsinternational.com](http://www.jbsinternational.com)